

What is claimed is:

1. A fluid control device wherein a plurality of lines each comprise a plurality of fluid controllers arranged at an upper level and a plurality of coupling members arranged at a lower level, the plurality of lines being arranged in parallel on a base member and having inlets directed in the same direction, with outlets thereof facing toward the same direction, the fluid control device being characterized in that each line is mounted on a line support member, the line support member being mounted on the base member and slidable in a direction orthogonal to the line.

2. A fluid control device according to claim 1 wherein the line support member is a rail removably mounted on the base member, and the coupling members are slidably mounted on the rail, each of the fluid controllers being mounted on two of the coupling members.

3. A fluid control device wherein a plurality of lines each comprise a plurality of fluid controllers arranged at an upper level and a plurality of coupling members arranged at a lower level, the plurality of lines being arranged in parallel on a base member and having inlets directed in the same direction, with

RECORDED IN U.S. PATENT AND TRADEMARK OFFICE

outlets thereof facing toward the same direction, the fluid control device being characterized in that the base member is provided with tracks arranged in parallel and corresponding to the respective lines, the coupling members being slidably mounted on the corresponding track, each of the fluid controllers being mounted on two of the coupling members.

4. A fluid control device according to claim 3 wherein slide members corresponding to the respective coupling members are provided on the track, each of the slide members being connected to the corresponding coupling member.

5. A fluid control device according to claim 3 wherein the base member is in the form of a plate, and each of the tracks is provided by a groove in an upper surface of the base member.

6. A fluid control device according to claim 5 wherein a slide member having an internally threaded portion and provided in the groove is connected to the coupling member by a screw member, and an edge portion defining an opening of the groove is provided with a portion for preventing the slide member from slipping out of the groove upward.

7. A fluid control device according to claim 4

wherein each of the tracks is provided by a rail
removably mounted on the base member.

8. A fluid control device according to claim 2 or 7
wherein the rail is U-shaped in cross section and has
5 inward flanges, and a slide member having an internally
threaded portion and provided in the rail is connected
to the coupling member by a screw member.

9. A fluid control device according to claim 6 (or 8)
wherein a clearance for inserting a tool therethrough
10 for rotating the screw member is formed between each
adjacent pair of the fluid controllers.

10. A fluid control device according to claim 8
wherein the rail is provided with a T-shaped
intermediate wall dividing the rail in two widthwise
15 thereof, and the slide member is divided in two
widthwise thereof.

11. A fluid control device according to claim 7
wherein the rail is U-shaped in cross section and has
outward flanges, and the slide member is provided with
20 rail holding claws engageable with the respective
outward flanges of the rail.

12. A fluid control device according to claim 7
wherein the rail is U-shaped in cross section and has
inward flanges, and the slide member is provided with

rail holding claws engageable with the respective inward flanges of the rail.

13. A fluid control device according to claim 11 or 12 wherein the slide member has an internally threaded portion and is connected to the coupling member by a screw member.

14. A fluid control device according to claim 11 or 12 wherein the slide member as positioned in place is fixed to the rail.

10 15. A fluid control device according to claim 7 wherein the rails are connected to one another by a connecting member.

16. A fluid control device according to claim 1 or 3 wherein the base member is shaped in the form of a frame by an inlet-side rail, an outlet-side rail and 15 connecting members interconnecting the side rails.

17. A fluid control device according to claim 7 wherein the slide member is inverted U-shaped, and the slide member has opposite vertical walls holding 20 respective opposite outer side walls of the rail and is thereby attached to the rail.

18. A fluid control device according to claim 17 wherein the outer side walls of the rail each have a groove extending longitudinally thereof, and the slide

member is provided on each of its vertical walls with a projection fitting in the groove.

19. A fluid control device according to claim 7 wherein the rail has an internally enlarged groove 5 opened upward and extending longitudinally thereof, and the slide member comprises a plate portion in contact with a lower surface of the coupling member, and a portion projecting downward from a lower surface of the plate portion and having a lower end fitted in the 10 internally enlarged groove of the rail.

20. A fluid control device according to claim 7 wherein the rail has an internally enlarged groove opened upward and extending longitudinally thereof, and the rail has a groove formed in each of opposite outer 15 side walls thereof and extending longitudinally thereof.

21. A fluid control device according to claim 7 which has fixed slide members fixed to the rail with a screw and unfixed movable slide members, and the coupling member having the fixed slide member is 20 connected to the coupling member having the movable slide member by the fluid controller, whereby the coupling member having the movable slide member is prevented from moving.